



OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND
TRACKING ERROR SIGNAL
Inventor(s): Ryuichi KATAYAMA
Appl. No.: 09/442,773

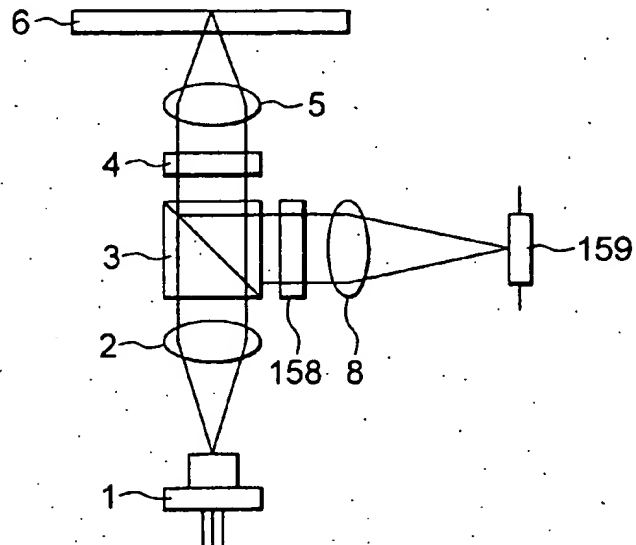


FIG. 1
PRIOR ART

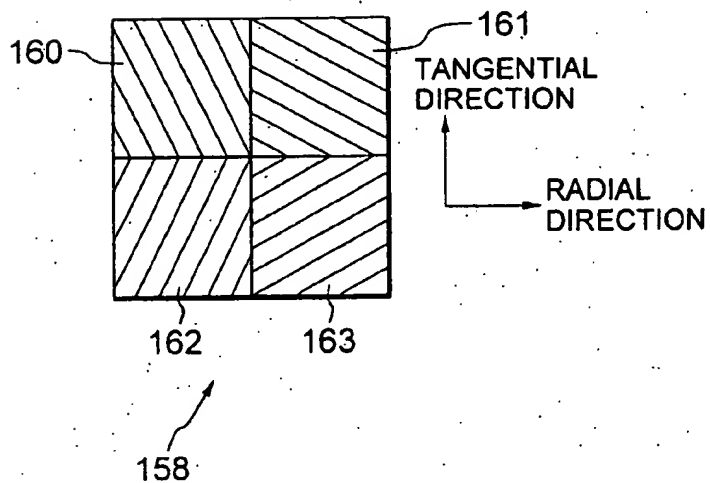


FIG. 2
PRIOR ART

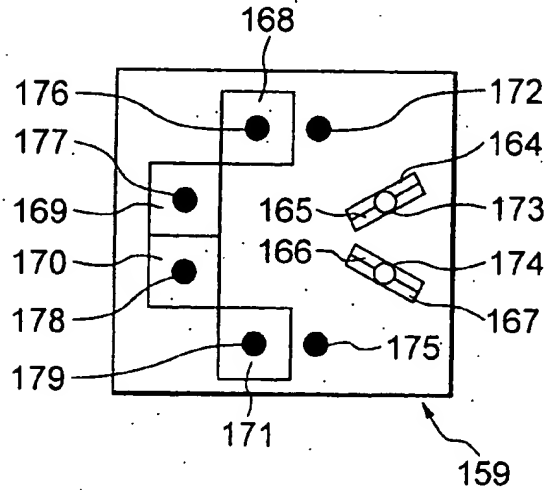


FIG. 3
PRIOR ART

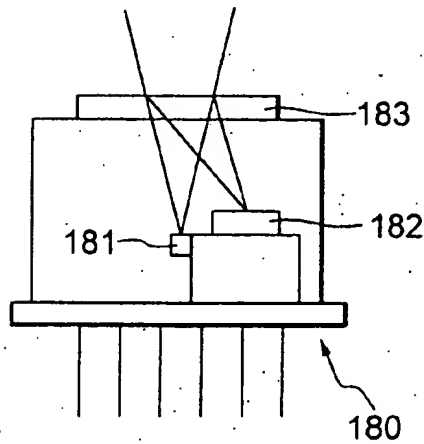


FIG. 4
PRIOR ART

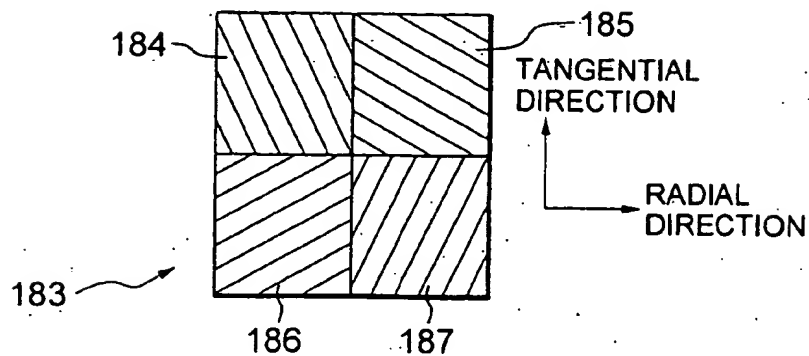


FIG. 5
PRIOR ART

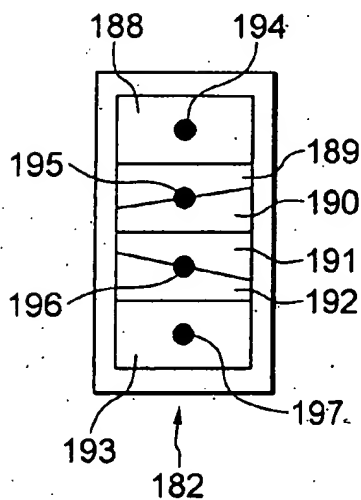


FIG. 6
PRIOR ART



Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL
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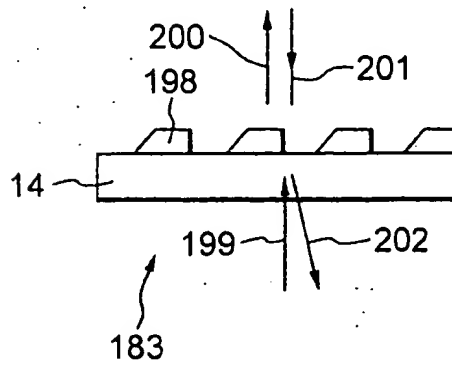


FIG. 7
PRIOR ART

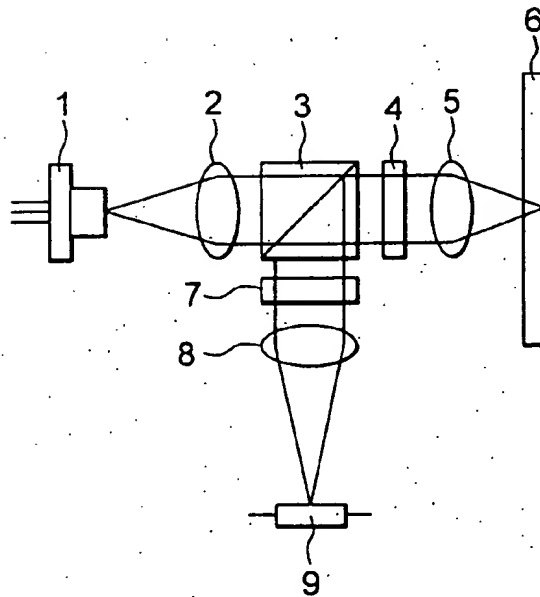


FIG. 8

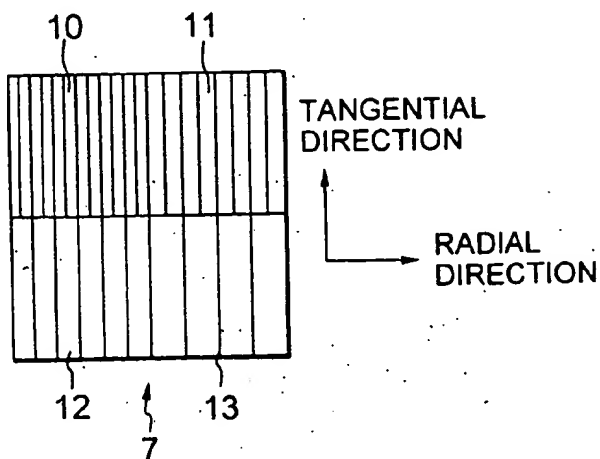


FIG. 9

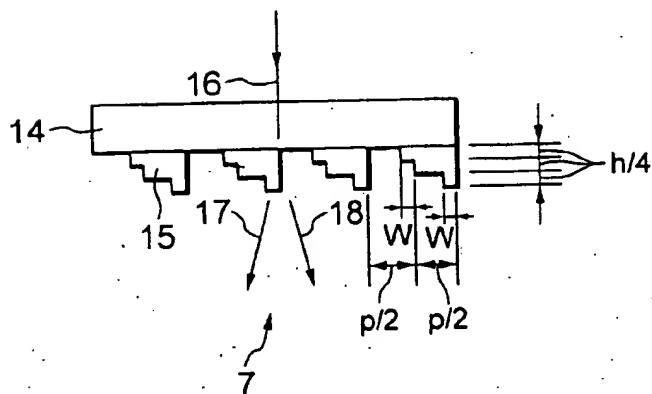


FIG. 10

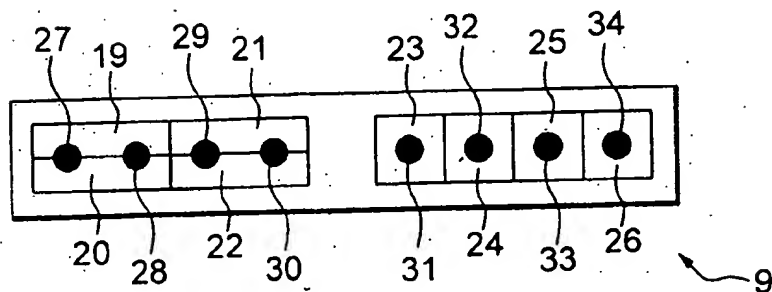


FIG. 11



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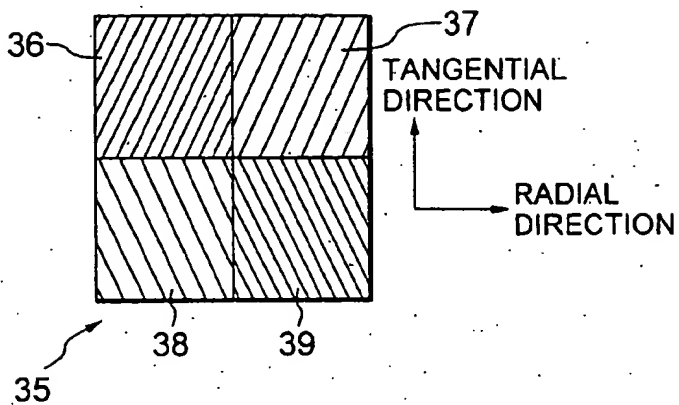


FIG. 12

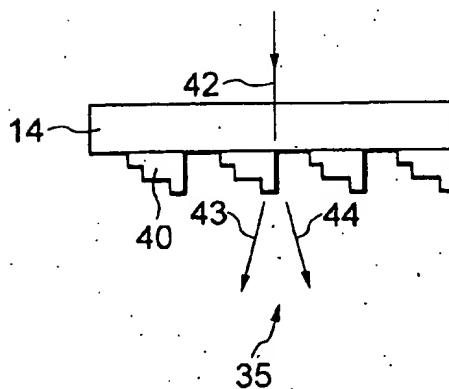


FIG. 13A

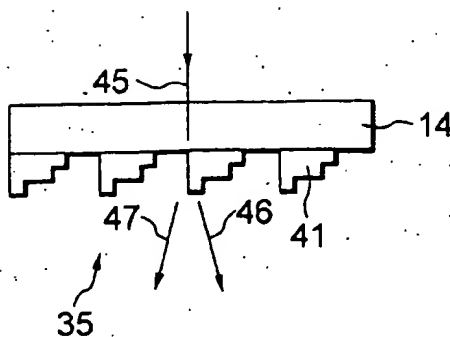
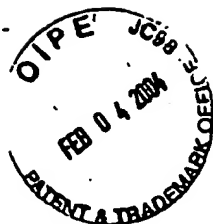


FIG. 13B



Title: **OPTICAL SYSTEM FOR DETECTING DATA SIGNAL TRACKING ERROR SIGNAL**
 Inventor(s): **Ryuichi KATAYAMA**
 Appl. No.: **09/442,773**

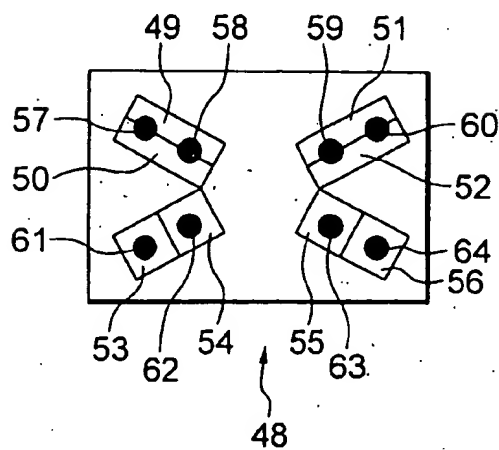


FIG. 14

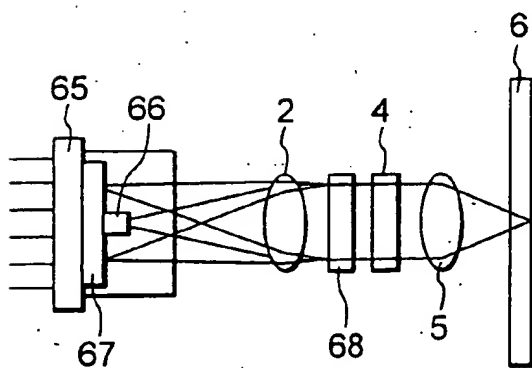


FIG. 15

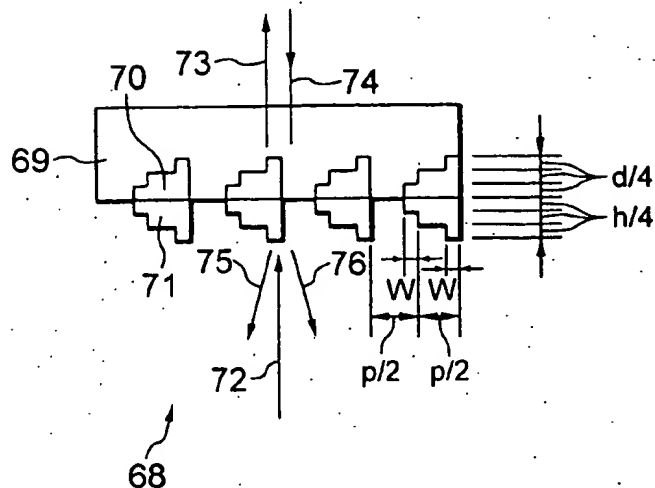


FIG. 16

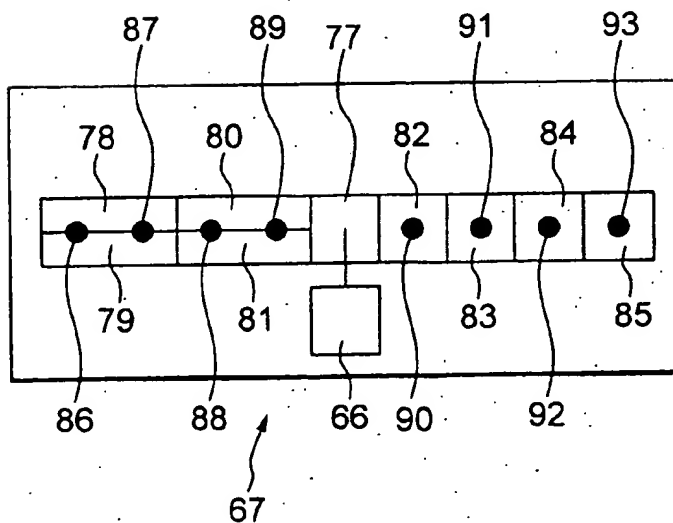
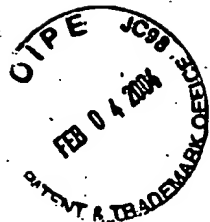


FIG. 17



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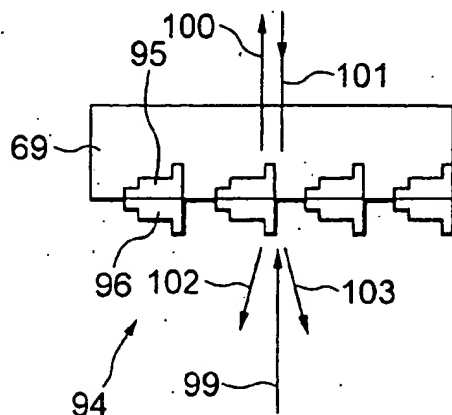


FIG. 18A

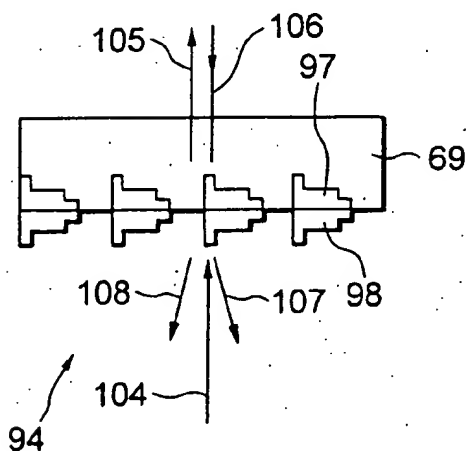


FIG. 18B



Title: OPTICAL SYSTEM FOR DETECTING DATA SIGNAL AND TRACKING ERROR SIGNAL
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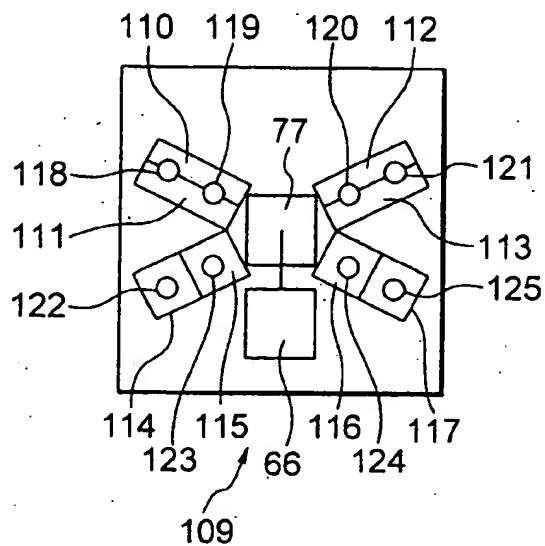


FIG. 19

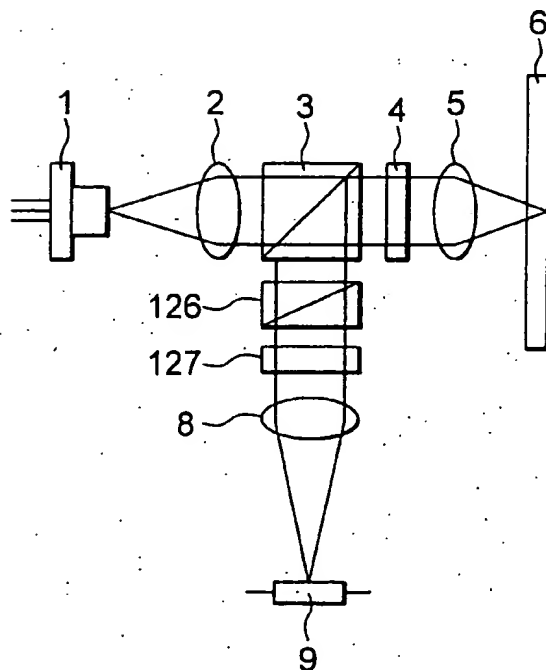


FIG. 20

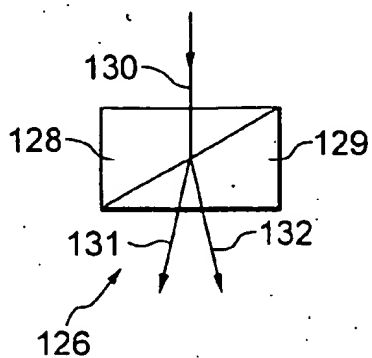


FIG. 21A

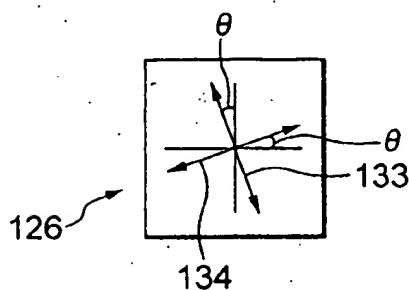


FIG. 21B

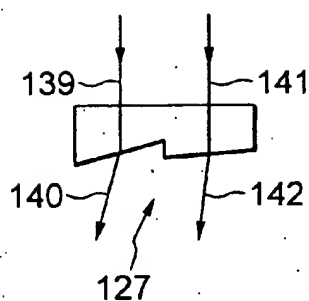


FIG. 22A

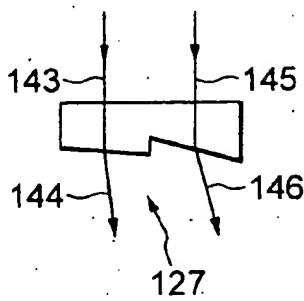


FIG. 22B

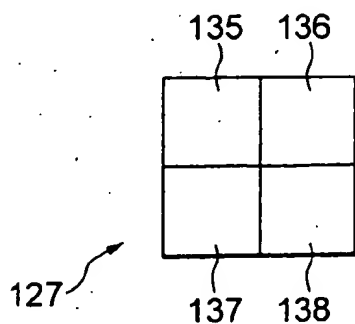


FIG. 22C



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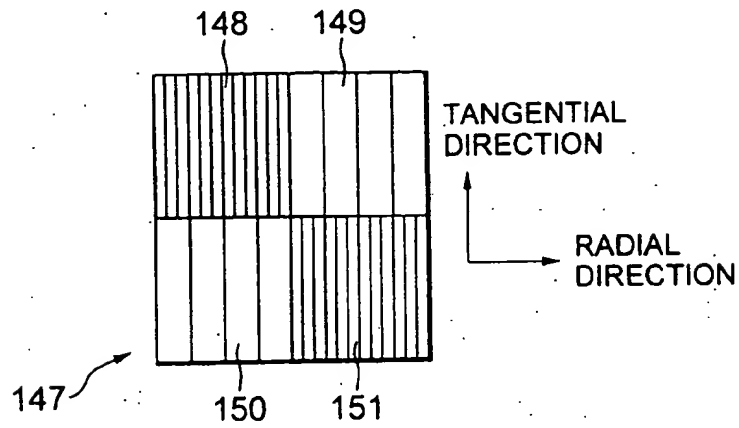


FIG. 23

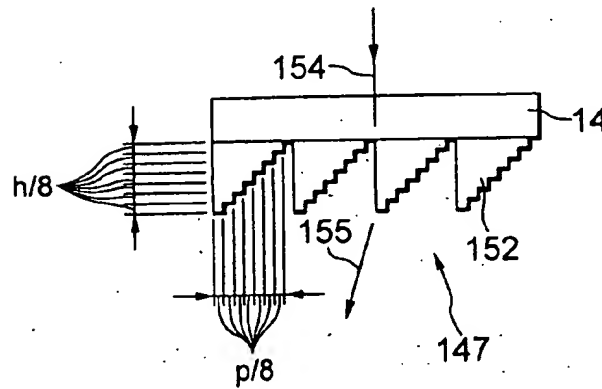


FIG. 24A

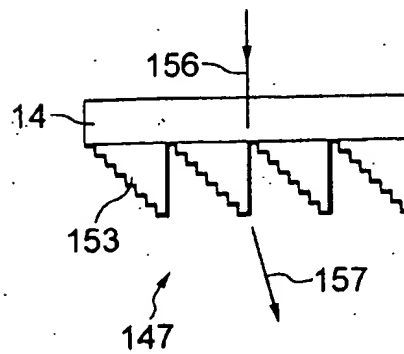


FIG. 24B